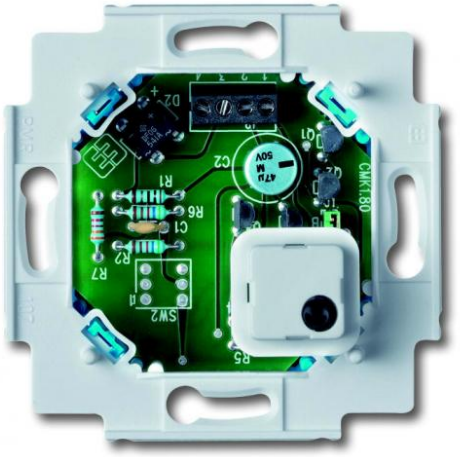
1473-1-8326 | Rev. 01 | 17.12.2012

Operating Instructions
Busch-Infoline®

1520/1 UK-500
Signal / cancel button insert

1520/1 UKZ-500
Signal / cancel button insert with pullcord



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1 Safety

Warning

Electric voltage!
Risk of death and fire due to electrical voltage of 230 V.
– Work on the 230V supply system may only be performed by authorised electricians!
– Disconnect the mains power supply prior to installation and/or disassembly!

2 Intended use

The device is to be used exclusively with the components that are supplied and licensed as described in chapter "Setup and function".

3 Environment

Consider the protection of the environment!
Used electric and electronic devices must not be disposed of with domestic waste.
– The device contains valuable raw materials which can be recycled. Therefore, dispose of the device at the appropriate collecting depot.

All packaging materials and devices bear the markings and test seals for proper disposal. Always dispose of the packaging material and electric devices and their components via the authorized collecting depots and disposal companies.
The products meet the legal requirements, in particular the laws governing electronic and electrical devices and the REACH ordinance.
(EU Directive 2002/96/EC WEEE and 2002/95/EC RoHS)
(EU REACH ordinance and law for the implementation of the ordinance (EC) No.1907/2006)

4 Operation

4.1 Signal / cancel button insert 1520/1 UK-500

Confirmation feedback signal
The confirmation feedback signal for individual / group signal can be selected via the jumper.

Triggering signal / alarm messages
Various messages can be triggered via the the button.

Deactivating signal / alarm messages
Various messages can be deactivated via the the button.

4.2 Signal / cancel button insert with pullcord 1520 UKZ-500

Confirmation feedback signal
The confirmation feedback signal for individual / group signal can be selected via the jumper.

Triggering signal / alarm messages
The message can be triggered with a 2.5-meter-long pullcord.

Deactivating signal / alarm messages
Various messages can be deactivated via the the button.

5 Technical data

General	
Nominal voltage	9.5 - 28 V AC / 9.5 - 35 V DC
Rated frequency	50/60 Hz
Nominal current	70 mA AC / 40 mA DC
Contact rating	30 V AC / 35 V DC mA, 3 VA / W
Type of protection for device	SELV
Protection class	IP 20
Operating temperature range	5 ... 40 °C

Switching contacts	
Normally open contact	30 V AC / 35 V DC, 100 mA, floating

6 Setup and function

6.1 Features of function and equipment

To trigger and deactivate an alarm message in a room or a WC for the handicapped.
The confirmation feedback signal can be selected via the jumper.

6.2 Possible combinations

	Signal / cancel button insert	
	1520/1 UK-500	1520/1 UKZ-500
1510 UC	X	X
1518 U	X	X
1511 U	X	X
1515 U-12	X	X
1571 CN-21X	X	
1572 CN-21X		X
1572 CN-84		X

7 Installation and electrical connection

Warning

Electric voltage!
Risk of death due to electrical voltage of 230 V during short-circuit in the low-voltage line.
– Low-voltage and 230 V lines must not be installed together in a flush-mounted socket!

7.1 Requirements for the electrician

Warning

Electric voltage!
Install the device only if you have the necessary electrical engineering knowledge and experience.
- Incorrect installation endangers your life and that of the user of the electrical system.
- Incorrect installation can cause serious damage to property, e.g. due to fire.

The minimum necessary expert knowledge and requirements for the installation are as follows:
- Apply the "five safety rules" (DIN VDE 0105, EN 50110):
  1. Disconnect from power;
  2. Secure against being re-connected;
  3. Ensure there is no voltage;
  4. Connect to earth and short-circuit;
  5. Cover or barricade adjacent live parts.
- Use suitable personal protective clothing.
- Use only suitable tools and measuring devices.
- Check the supply network type (TN system, IT system, TT system) to secure the following power supply conditions (classic connection to ground, protective earthing, necessary additional measures, etc.).

7.2 Electrical connection

7.2.1 Circuit diagram 1520/1 UK-500

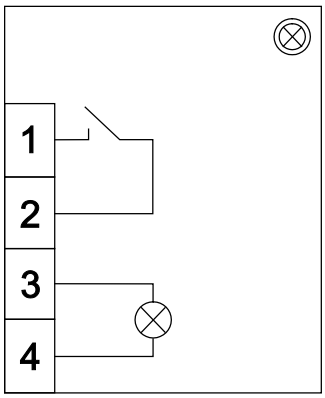

Fig. 1: Circuit diagram for the signal / cancel button insert

Terminal assignment

1520/1 UK-500

Terminal designation	Assignment
1	Normally open contact, floating
2	
3	Comforting light and control display via LED
4	

7.2.2 Circuit diagram 1520/1 UKZ-500

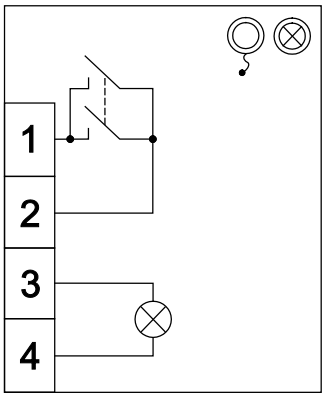

Fig. 2: Circuit diagram for the signal / cancel button insert with pullcord

Terminal assignment

1520/1 UKZ-500

Terminal designation	Assignment
1	2 Normally open contact, floating
2	(1 Normally open contact for the button, 1 normally open contact for the pullcord)
3	Comforting light and control display via LED
4	

7.3 Mounting the device insert

It should preferably be mounted next to the door of the WC.

1. Mount the devices in a flush-mounted box according to DIN 049073-1.
2. Fix the devices in the flush-mounted box with screws.
3. Mount the elements of the cover plate in the sequence shown in the illustration.

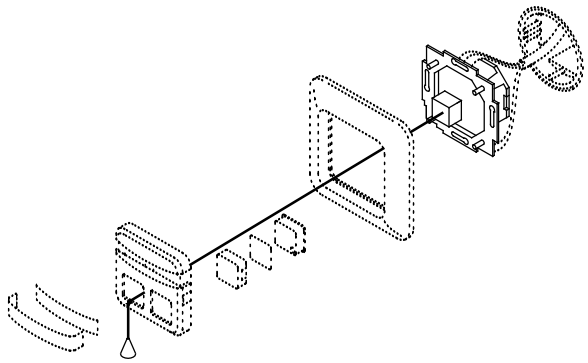

Fig. 3: Overview of installation

7.4 Setting confirmation feedback signal with jumper

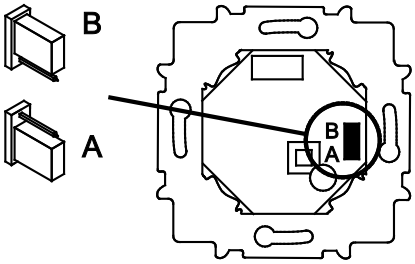

Fig. 4: 1520/1 UKZ-500 signal / cancel button insert

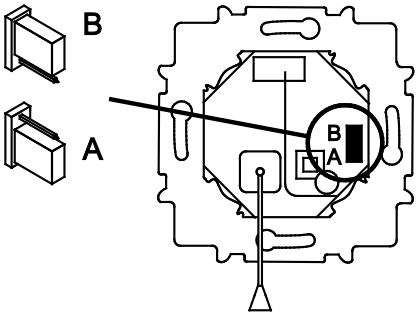

Fig. 5: 1520/1 UKZ-500 signal button insert with pullcord

Position	Confirmation feedback signal
B	Group triggering
A	Single triggering

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1473-1-8326 | Rev. 01 | 17.12.2012

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